

REMARKS

Reconsideration of this application in view of the following remarks is requested. After entry of this reply, claims 133-134, 136-142, 144-150 and 152-189 are pending in the application. Claims 133, 140, 141, 148, 149, 156, and 163-168 are amended.

Please note and record the change of Attorney Docket Number in this matter to:

119645.00103.12 – SSA-003-US.

In the office action dated April 18, 2006, the examiner requires new corrected drawings in compliance with 37 C.F.R. § 1.121(d), characterizing the drawings as informal and not in agreement with the specification; objects to the specification, requiring a substitute specification including format revisions and an amended Title; rejects claims 133, 140, 141, 148, 149, 156, 163 and 166 under 35 U.S.C. §112, second paragraph, due to insufficient antecedent basis; and objects to claims 133, 140, 141, 148, 149, 156, 163 and 166 as not containing the precise language of what the prior art Papierniak and Anand fail to teach according to page 13 of the Board decision.

Drawings

The examiner requires new corrected drawings in compliance with 37 C.F.R. § 1.121(d), characterizing the drawings as: 1) informal, not in agreement with the specification; 2) not in compliance with 37 C.F.R. § 1.84(p)(4) due to multiple component numbers being assigned to similar elements; 3) not in compliance with 37 C.F.R. § 1.84(p)(5) because reference characters included in the drawings are not included in the description; and 4) not in compliance with 37 C.F.R. § 1.83(a) because reference characters included in the description are not included in the drawings.

Applicant submits that corrected drawings are not required because: 1) many of the omitted items noted by the examiner were included in the specification, as addressed below; and 2) corrections that are necessary to bring the drawings into agreement with the specification, and into compliance with 37 C.F.R. § 1.121(d), 37 C.F.R. § 1.84(p)(4), 37 C.F.R. § 1.84(p)(5), and 37 C.F.R. § 1.83(a), were accomplished by amendment to the specification, also as specifically described below.

Applicant attaches to this Response and Amendment formal drawings. Applicant submits that the attached formal drawings add no new matter.

Office Action (OA) Section 2, 1st Para. corrections:

- 1) Drawing Figures 1 and 7-36 contain shading – The formal drawings do not contain shading that will hamper duplication efforts.
- 2) Figure 4, elements 481 and 491 are not found in the Specification. – Applicant submits that element 481 is found at page 40, line 1, of the application as-filed; element 491 is found at page 42, line 14.
- 3) Figure 2 labels 204 as Extraction Process – Specification is amended to reflect same
- 4) Figure 3 has elements labeled different than that referenced in the Specification – Specification is amended to reflect the labeling of elements in Figure 3.
- 5) Figures 4-6 have a similar problem (i.e., similar to that of Figure 3, above) - Specification is amended to reflect the labeling of elements in Figures 4-6.
- 6) Figure 5 element 500 is labeled “Runtime Schema” and in the Specification is referenced in some locations as “Runtime Metadata 500.” - Specification is amended to reflect “Runtime Schema 500” at all locations.

Office Action (OA) Section 2; 2nd Para. – 37 CFR 1.84(p)(4) corrections:

- 7) Reference characters 1310 and 1320 of Figure 13 have both been used to designate “fact data semantic,” “order fact table,” and “fact table” in the specification. - Specification is amended to reflect Fact Table 1310 and Fact Data Semantic 1320, as labeled in Figure 13.
- 8) Figure 22 reference characters 2120 and 2210 have both been designated “SQL Field.” – Applicant submits that reference character 2120 does not exist in the specification, but that reference character 2110 has been corrected in the as-filed specification at page 75, line 14.

Office Action (OA) Section 2; 3rd Para. – 37 CFR 1.84(p)(5) corrections:

- 9) Of all reference characters noted by the examiner in the 3rd paragraph of Section 2 of the office action, as included in the drawings but not included in the description, all were/are included in the description as-filed, as noted with location cited below, except for 2810 and 3500, which have been added to the description as shown in the attached marked-up copy of the substitute specification:
 - Enterprise Manager Interface 192, at page 13, line 17;
 - Base Dimension Window 900, at page 72, line 11;
 - Dimension Column Window 1000, at page 72, line 15;
 - Fact Table Window 1300, at page 73, lines 5 and 11;
 - Fact Data Semantic 1320, at page 73, line 6;
 - Fact Columns 1330, at page 73, line 73, line 11;
 - Batch Operation Window 1600, at page 76, line 8;
 - Job Definition Window 1700, at page 74, line 9;
 - Extraction Steps Window 2100, at page 75, line 2;
 - SQL Statement Window 2200, at page 75, line 3;
 - All Semantics Connector 2410, at page 76, lines 1 and 2;
 - Semantic Transformation Window 2500, at page 76, line 4;

- User Interface Definition Window 3000, at page 77, line 8;
- Browser 182, at page 13, lines 15 and 16;
- Query/Results Interface 184, at page 13, line 16;

Office Action (OA) Section 2; 4th Para. – 37 CFR 1.83(a) corrections:

- 10) Elements 3010 and 3020 in Figure 30 and element 3100 in Figure 31 are omitted from the drawings. – Applicant submits that elements 3010 and 3020 are included in Figure 30. Applicant amends the specification to show the Ticksheet Definition Window as element 3400, as previously shown in Figure 31.

Specification

The examiner objects to the specification, requiring a substitute specification including format (outline) revisions and an amended Title. Applicant attaches to this Response and Amendment a substitute specification including: 1) one marked-up copy, with markings showing all changes relative to the immediate prior version, where added text is underlined and deleted text includes strike-through; and 2) one clean copy of the substitute specification, including all of the revisions of the marked-up copy.

Applicant, through its undersigned representative, submits that the enclosed substitute specification contains no new subject matter.

In addition to the specification revisions detailed above in the Drawings section of the Remarks, applicant addresses some of the examiner's requirements as follows:

- 1) Applicant amends the Title, as required in office action section 3, to address the examiner's redundancy concern and to provide a Title descriptive of the invention to which the claims are directed.
- 2) Outlining of Specification content is provided in accordance with the examiner's provided outline in office action section 4. Applicant submits that computer program

listings were permitted as electronic documents on compact discs beginning September 8, 2000. As the present application was filed May 6, 1998, applicant has not entered an electronic document.

- 3) Cross References to Related Applications now lists application number, title, filing date and status.
- 4) The bottom of each page of the Specification now only includes page numbers.
- 5) The Table of Contents is deleted. Applicant submits that the Table of Contents was previously deleted in the Response to Office Action dated July 31, 2001, filed October 31, 2001. The examiner acknowledged the Table of Contents deletion, and withdrew the specification objection, in the Office Action dated February 28, 2002. All specification amendments entered by prior response and amendment are included in the enclosed clean version of the substitute specification.
- 6) Appendix A is at the top of the page as the first page after the specification.
- 7) Specification amendments are included for page 18, line 13 (and elsewhere as necessary), to recite "includes the schema definitions 161."

Claim Rejections – 35 USC § 112

The examiner rejects claims 133, 140, 141, 148, 149, 156, 163 and 166 under 35 U.S.C. § 112, second paragraph, due to insufficient antecedent basis. Applicant amends each of claims 133, 140, 141, 148, 149, 156, 163 and 166 to correct any problems of antecedent basis.

Applicant submits that sufficient antecedent basis exists in the above-identified claims for all of the features recited. Applicant's representative respectfully requests that the examiner

contact him should the examiner feel that any minor issue of antecedent basis remain, to expedite prosecution of the application, perhaps by correcting same by examiner's amendment.

Claim Objections (of claims including allowable subject matter)

The examiner states that claims 133, 140, 141, 148, 149, 156, 163 and 166 do not contain the precise language of what the prior art Papierniak and Anand fail to teach according to page 13 of the Board decision. The examiner quotes the Board decision at page 13: "[N]either Anand nor Papierniak teach or suggest a method where instructions for a metadata schema contain semantic definitions and where a business database system is automatically generated using those semantic definitions such that the business database system is well-formed as required by claim 140." Also on page 13, the Board states: "Anand does not teach the use of semantic definitions in the generation of business database systems." The examiner further states, in office action section 7: "These are the reasons for allowance. This wording as stated needs to be incorporated into each of the independent claims."

Applicant respectfully traverses this requirement. In addition to the above quotes, the Board held: "As the other claims in the group also require the use of semantic definition, which is not taught by Anand or Papierniak, the rejection of claims 135, 143, 148, 151 and 156 under 35 USC § 103(a) is reversed" (emphasis added). Accordingly, applicant traverses the examiner's section 7 conclusion that "claims 135, 140, 143, 148, 151, and 156 are deemed to be allowable over the prior art of record if rewritten in independent form including the reasons for allowance as worded above and including all of the limitations of the base claim and any intervening claims." This is not what the Board held. Applicant reiterates the Board's page 15 conclusion: "The decision of the examiner to reject claims 135, 140, 143, 148, 151, and 156 under 35 USC § 103(a) is reversed."

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PATENT

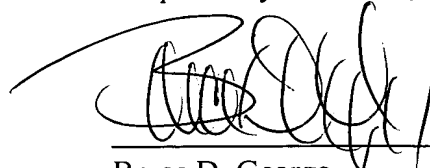
Nonetheless, to expedite prosecution of the application, applicant has amended each of the independent claims to incorporate the wording as stated by the Board (and quoted above) as the reason for allowance. Naturally, this wording must be placed into claim language.

Applicant submits that the enclosed amendments to the independent claims satisfy the examiner's requirement in the office action paragraph 7 statement: "These are the reasons for allowance. This wording as stated needs to be incorporated into each of the independent claims." Applicant's representative respectfully requests that the examiner contact him should the examiner feel that an issue of claim form still remains, so that prosecution can be expedited and a mutually agreed revision can be made by examiner's amendment.

CONCLUSION

In light of the above amendments and remarks, applicant submits that pending claims 133-134, 136-142, 144-150 and 152-189 are allowable, that the application is in condition for allowance, and requests that the examiner issue an early notice of allowance. The examiner is invited to call the undersigned attorney in the event that a telephone interview will advance prosecution of this application.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Bruce D. George", written over a horizontal line.

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